

Specifications

Type

Digital, single-lens reflex, AF/AE camera with built-in flash

Recording Media

SD/SDHC/SDXC card, via external media (USB v.2.0 hard drive, or via Wireless LAN (Eye-Fi card*))

*Canon cameras are not guaranteed to support Eye-Fi card functions, including wireless transfer. In case of an issue with the Eye-Fi card, please consult with the card manufacturer. The use of Eye-Fi cards may not be approved in all regions, or from one region to another, please contact the card manufacturer for status of approval in the country/region of use.

Image Format

0.88 x 0.59 in. / 22.3 x 14.9mm (APS-C size)

Compatible Lenses

Canon EF lenses (including EF-S lenses)

(35mm-equivalent focal length is approx. 1.6x the lens focal length)

Lens Mount

Canon EF mount

Type

High-sensitivity, high-resolution, large single-plate CMOS sensor

Pixels

Effective pixels: Approx. 18.0 Megapixels: 5200 (H) x 3462 (V) pixels

Total Pixels

Total pixels: Approx. 19.0 Megapixels: 5432 (H) x 3492 (V) pixels

Aspect Ratio

3:2 (Horizontal: Vertical)

Color Filter System

RGB primary color filters

Low Pass Filter

Fixed position in front of the CMOS sensor

Dust Deletion Feature

1. Self Cleaning Sensor Unit

2. Dust Delete Data appended to the captured image

3. Manual cleaning of sensor

Recording Format

Design rule for Camera File System 2.0 and Exif 2.3

File Size

1. Large/Fine: Approx. 17.90 Megapixels (5184 x 3456)

2. Medium/Fine: Approx. 8.00 Megapixels (3456 x 2304)

3. Small 1/Normal: Approx. 4.50 Megapixels (2592 x 1728)

4. Small 2/Fine: Approx. 2.50 Megapixels (1920 x 1280)

5. Small 3/Fine: Approx. 0.35 Megapixels (720 x 480)

6. RAW: Approx. 17.90 Megapixels (5184 x 3456)

7. M-RAW: Approx. 10.10 Megapixels (3888 x 2592)

8. S-RAW: Approx. 4.50 Megapixels (2592 x 1728)

Exact file sizes depend on the subject, ISO speed, Picture Style, etc.

Backup Recording

N/A

File Numbering

Consecutive numbering, auto reset, manual reset.

RAW + JPEG

Simultaneous Recording

Provided (sRAW+JPEG also possible)

Color Space

sRGB, Adobe RGB

Picture Style

Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1-3

Settings

Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting

Auto White Balance

Auto white balance with the image sensor

Color Temperature Compensation

White balance correction: ±9 stops in full-stop increments

White balance bracketing: ±3 stops in full-stop increments

Blue/amber direction or magenta/green direction possible

Color Temperature Information Transmission

Provided

Type

Eye-level pentaprism

Coverage

Vertical/Horizontal approx. 96%

Magnification

Approx. 0.95x (-1m-1 with 50mm lens at infinity) / 27.0° angle of view

Eye Point

Approx. 22mm (At -1m-1 from eyepiece lens center)

Dioptic Adjustment Correction

-3.0 to +1.0m⁻¹ (diopter)

Focusing Screen

Interchangeable (Ef-D: Grid lines, Ef-S: Point of focus, Ef-A standard focusing screen provided)

Mirror

Quick-return half mirror (transmission: reflection ratio of 40:60)

Viewfinder Information

AF information (AF points and focus confirmation light), Exposure information (Shutter speed, aperture, ISO speed (always displayed), AE lock, exposure level, Spot metering circle, exposure warning), Flash information (Flash ready, flash exposure compensation, high-speed sync, FE lock, red-eye reduction light), Image information (Highlight tone priority (D+), Monochrome shooting, maximum burst (2-digit display), white balance correction, card information), Electronic level (Horizontal only), Battery check

Depth Of Field Preview

Enabled with depth-of-field preview button

Type

TTL-CT-SIR AF-dedicated CMOS sensor

AF Points

9 (Cross-type, Center AF point with dual cross sensor for f/2.8)



AF Working Range

EV 0-20 (at 73°F/23°C with EF 50mm f/1.4 USM lens, ISO 100)

Focusing Modes

Autofocus, One-Shot AF, Predictive AI Servo AF, AI Focus AF, Manual focusing (MF)

AF Point Selection

Automatic selection, manual selection

Selected AF Point Display

Superimposed in viewfinder and indicated on LCD panel

AF Assist Beam

Small series of flashes fired by built-in flash

Effective range: Approx. 13.1 ft./4.0m at center, approx. 11.5 ft./3.5m at periphery*.

* With an EOS-dedicated Speedlite attached, the Speedlite's AF-assist beam is emitted instead.

Metering Modes

Max. aperture TTL metering with 63-zone SPC with the following selectable modes:

- Evaluative metering (linkable to all AF points)
- Partial metering (approx. 6.5% of viewfinder at center)
- Spot metering (approx. 2.8% of viewfinder at center)
- Center-Weighted average metering

Metering Range

EV 0-20 (at 73°F/23°C with EF 50mm f/1.4 USM lens, ISO 100)

Exposure Control Systems

Program AE (Shifttable), Shutter-priority AE (Safety shift possible), Aperture-priority AE (Safety shift possible), Manual exposure, Bulb, Full Auto, Flash Off, Creative Auto, Programmed Image Control modes (Portrait, Landscape, Close-up, Sports, Night Portrait), E-TTL II Autoflash Program AE (Evaluative metering, Averaged metering)

ISO Speed Range

ISO 100 - 6400 (in 1/3-stop or whole-stop increments)

- ISO 12800 can be enabled with a Custom Function.

- With [Highlight tone priority], the ISO speed range will be automatically set within 200-6400.

1. In Creative Zone modes, the maximum settable ISO speed (400-6400) will vary within the automatic ISO speed range.

2. If overexposure would occur with fill flash, ISO 100 will be the lowest set.

3. In the (P) and Basic Zone modes (except Night Portrait), bounce flash will be set automatically within ISO 400-1600 (or maximum ISO speed limit).

Exposure Compensation

Manual: ±5 stops in 1/3- or 1/2-stop increments

AEB: ±3 stops in 1/3- or 1/2-stop increments

* Indicated up to ±3 stops on the LCD panel and in the viewfinder.

AE Lock

1. Auto AE lock - In the One-Shot AF mode with evaluative metering, AE lock takes effect when focus is achieved.

2. Manual AE lock - With AE lock button. (AE lock is updated each time you press the button.) Enabled in all metering modes.

Shutter

Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled 1/8000 to 1/60 sec., X-sync at 1/250 sec.

1/8000 to 30 sec., bulb (Total shutter speed range. Available range varies by shooting mode) Soft-touch electromagnetic release 10-sec. or 2-sec. delay (self-timer/remote control) For Remote Switch RS-60E3

Type

Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled

Shutter Speeds

1/8000 to 1/60 sec., X-sync at 1/250 sec.

1/8000 to 30 sec., bulb (Total shutter speed range. Available range varies by shooting mode)

Shutter Release

Soft-touch electromagnetic release

Self Timer

10-sec. or 2-sec. delay (self-timer/remote control)

Remote Control

For Remote Switch RS-60E3

Type

Auto pop-up, retractable, built-in flash in the pentaprism

Guide Number

43/13 (ISO 100, in feet/meters)

Recycling Time

Approx. 3 sec.

Flash Ready Indicator

Flash-ready icon lights in viewfinder

Flash Coverage

Up to 17mm focal length (equivalent to approx. 28mm in 135 format)

FE Lock

Provided

Flash Exposure Compensation

Up to ±3 stops in 1/3- or 1/2-stop increments

Zooming to Match Focal Length

Provided

Flash Metering

E-TTL II autofocus

Flash Exposure Compensation

±3 stops in 1/3- or 1/2-stop increments

FE Lock

Provided

External Flash Settings

Flash function settings, Flash C.Fn settings

PC Terminal

None

Drive Modes

Single, high-speed continuous, low-speed continuous, 10-sec. self-timer/ remote control, or 2-sec. self-timer/remote control

Continuous Shooting Speed

High-speed: Max. 5.3 shots/sec. (approx.)

Low-speed: Max. 3.0 shots/sec. (approx.)

Maximum Burst

JPEG (Large/Fine): approx. 58

RAW: approx. 16

RAW+JPEG (Large/Fine): approx. 7

1. The number of possible shots and maximum burst apply to a 4GB SD card based on Canon's testing standards.

2. The image file size, number of possible shots, and maximum burst will vary depending on the shooting conditions (aspect ratio 3:2, subject, memory card brand, ISO speed, Picture Style, etc.).

3. The "F" after the number indicates that continuous shooting is possible until the card becomes full.

Shooting Modes

(1) Live View shooting

(2) Remote Live View shooting (with a personal computer installed with EOS Utility)

Focusing

Autofocus (One-Shot AF)

1. Live mode - One-point, contrast AF. Switching to another AF point possible.

2. Face Detection Live mode - Face Detection, Contrast AF. Face selectable.

3. Quick mode - Nine-point, phase-difference AF, same as normal shooting.

Manual focus - Magnify the image by 5x or 10x and focus manually.

Metering Modes

Real-time Evaluative metering with the image sensor

Metering Range

EV 0-20 (at 73°F/23°C with EF 50mm f/1.4 USM lens, ISO 100)

* AE lock possible.

* The active metering time can be changed.

Magnified View

By 5x or 10x at AF point position

Grid Display

Provided (Two-type grid displays)

Silent Shooting

Provided (Mode 1 and Mode 2)

Type

TFT color, liquid-crystal monitor

Monitor Size

Wide 3.0-inch (Screen aspect ratio of 3:2)

Coverage

Approx. 100%

Viewing angle: Approx. 160°

Brightness Control

7 levels provided

Interface Languages

25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Japanese)

Battery Life

1) Camera body only:

Display Format

Single image display (Two types of single-image full display and two types of shooting information display), Index display (4-image index and 9-image index), Jump display (1/10/100 images, shooting date, by folder, video, stills, rating), AF point display, Histogram (1. Brightness 2. RGB), Magnify zoom display (1.5x to 10x enabled in 15 steps), Rotated display (Manual, Auto) Slide Show (Image selection: Playback according to All images, Date, Folder, Movies, Stills, or Rating; Display time: 1, 2, 3, 5, 10, or 20 sec.; Repeat: Enable/Disable; Transition effect: Off, Slide in, Fade 1, Fade 2)

Highlight Alert

With single-image display (Info.) and single-image display, overexposed highlight areas will blink

Protection

Erase protection can be applied/canceled for a single image, all images in a folder, or all images in the card

Erase

Erase single image, erase selected images, erase all images on folder, erase all images in a card, or erase only unprotected images

Compatible Printers

PictBridge-compatible printers

Printable Images

JPEG images compliant to Design rule for Camera File System 2.0 and Exif 2.3 (DPOF printing possible) and RAW images captured with the EOS 60D

* Video footage cannot be printed.

Easy Print feature

Provided

DPOF

Version 1.1 compatible

Compatible Images

Direct image transfer with the camera has been abolished since the personal computers' OS-based support has become adequate for image transfers.

Custom Functions

Total 20

Camera User Settings

Register under Mode Dial's setting

My Menu Registration

Up to six top-tier menu options and Custom Function settings can be registered

Battery

One Battery Pack LP-E6

AC power can be supplied via AC Adapter Kit ACK-E6

With Battery Grip BG-E9 attached, two battery packs (LP-E6) can be used. Six AA-size batteries can be used.

Shooting Method	Temperature	Shooting Conditions (Approx.)	
		AE 100%	AE 50%, FA 50%
Viewfinder Shooting	At 73°F/23°C	1600	1100
	At 32°F/0°C	1400	1000
Live View Shooting	At 73°F/23°C	350	320
	At 32°F/0°C	310	280

2) With Battery Grip BG-E9:

Shooting Method	Battery	Temperature	Shooting Conditions (Approx.)	
			AE 100%	AE 50%, FA 50%
Viewfinder Shooting	LP-E6 x 1	Same as (1)		
		At 73°F/23°C	3200	2200
	LP-E6 x 2	At 32°F/0°C	2800	2000
		At 73°F/23°C	550	410
Live View Shooting	Size-AA/LR6 alkaline batteries	At 73°F/23°C	140	90
		At 32°F/0°C	-	-
	LP-E6 x 1	Same as (1)		
		At 73°F/23°C	700	640
Live View Shooting	LP-E6 x 2	At 32°F/0°C	610	560
		At 73°F/23°C	-	-
	Size-AA/LR6 alkaline batteries	At 32°F/0°C	-	-
		At 73°F/23°C	-	-

The figures above are based on CIPA (Camera & Imaging Products Association) testing standards

Battery Check

Auto

Power Saving

Provided. Power turns off after 1, 2, 4, 8, 15 or 30 min.

Date/Time Battery

Built-in secondary battery

When fully-charged, the date/time can be maintained for about three months.

Start-up Time

Approx. 0.1 sec. (Based on CIPA testing standards)

Dimensions (W x H x D)

Approx. 5.69 x 4.17 x 3.09 in./144.5 x 105.8 x 78.6mm

Weight

755g / 26.6 oz (CIPA)

675g / 23.8 oz (body only)

Working Temperature Range

32-104°F/0-40°C

Working Humidity Range

85% or less